

# Patrick Fach

## List of Publications by Year in descending order

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88  
papers

5,305  
citations

117625

34  
h-index

91884

69  
g-index

89  
all docs

89  
docs citations

89  
times ranked

7410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the assessment of highly pathogenic Shiga toxin-producing <i>Escherichia coli</i> in raw milk and raw milk cheeses by High Throughput Real-time PCR. <i>International Journal of Food Microbiology</i> , 2022, 366, 109564.	4.7	6
2	Development and validation of high-resolution melting assays for the detection of potentially virulent strains of <i>Escherichia coli</i> O103 and O121. <i>Food Control</i> , 2022, 139, 109095.	5.5	4
3	High Throughput Screening of Antimicrobial Resistance Genes in Gram-Negative Seafood Bacteria. <i>Microorganisms</i> , 2022, 10, 1225.	3.6	10
4	Evaluation of high molecular weight DNA extraction methods for long-read sequencing of Shiga toxin-producing <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2022, 17, e0270751.	2.5	5
5	Diversity of <i>Escherichia coli</i> strains isolated from day-old broiler chicks, their environment and colibacillosis lesions in 80 flocks in France. <i>Veterinary Microbiology</i> , 2021, 252, 108923.	1.9	6
6	Emergence of New ST301 Shiga Toxin-Producing <i>Escherichia coli</i> Clones Harboring Extra-Intestinal Virulence Traits in Europe. <i>Toxins</i> , 2021, 13, 686.	3.4	4
7	Identification of Shiga-Toxin-Producing <i>Shigella</i> Infections in Travel and Non-Travel Related Cases in Alberta, Canada. <i>Toxins</i> , 2021, 13, 755.	3.4	6
8	<i>Escherichia coli</i> O80 hybrid pathotype strains producing Shiga toxin and ESBL: molecular characterization and potential therapeutic options. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 537-542.	3.0	15
9	Prevalence of Enteropathogens and Virulence Traits in Brazilian Children With and Without Diarrhea. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 549919.	3.9	4
10	Variations of the <i>Escherichia coli</i> population in the digestive tract of broilers. <i>Avian Pathology</i> , 2020, 49, 678-688.	2.0	1
11	Investigation of <i>Clostridium botulinum</i> group III's mobilome content. <i>Anaerobe</i> , 2018, 49, 71-77.	2.1	5
12	Validation and Application of a Real-Time PCR Assay Based on the CRISPR Array for Serotype-Specific Detection and Quantification of Enterohemorrhagic <i>Escherichia coli</i> O157:H7 in Cattle Feces. <i>Journal of Food Protection</i> , 2018, 81, 1157-1164.	1.7	4
13	Emerging Multidrug-Resistant Hybrid Pathotype Shiga Toxin-Producing <i>Escherichia coli</i> O80 and Related Strains of Clonal Complex 165, Europe. <i>Emerging Infectious Diseases</i> , 2018, 24, 2262-2269.	4.3	51
14	Prevalence of tick-borne viruses in <i>Ixodes ricinus</i> assessed by high-throughput real-time PCR. <i>Pathogens and Disease</i> , 2018, 76, .	2.0	28
15	Shiga Toxin-Producing Serogroup O91 <i>Escherichia coli</i> Strains Isolated from Food and Environmental Samples. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	25
16	Digital RT-PCR method for hepatitis A virus and norovirus quantification in soft berries. <i>International Journal of Food Microbiology</i> , 2017, 243, 36-45.	4.7	51
17	Draft Genome Sequences of Five Brazilian <i>Clostridium botulinum</i> Group III Type D/C Strains. <i>Genome Announcements</i> , 2017, 5, .	0.8	4
18	The <i>Escherichia coli</i> Serogroup O1 and O2 Lipopolysaccharides Are Encoded by Multiple O-antigen Gene Clusters. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 30.	3.9	22

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19	Change in the Structure of <i>Escherichia coli</i> Population and the Pattern of Virulence Genes along a Rural Aquatic Continuum. <i>Frontiers in Microbiology</i> , 2017, 8, 609.	3.5	29
20	The Mobilome; A Major Contributor to <i>Escherichia coli</i> stx2-Positive O26:H11 Strains Intra-Serotype Diversity. <i>Frontiers in Microbiology</i> , 2017, 8, 1625.	3.5	13
21	Characterization of Colistin-Resistant <i>Escherichia coli</i> Isolated from Diseased Pigs in France. <i>Frontiers in Microbiology</i> , 2017, 8, 2278.	3.5	61
22	Characterization and Virulence Potential of Serogroup O113 Shiga Toxin-producing <i>Escherichia coli</i> Strains Isolated from Beef and Cattle in the United States. <i>Journal of Food Protection</i> , 2017, 80, 383-391.	1.7	12
23	Development and Validation of a New Reliable Method for the Diagnosis of Avian Botulism. <i>PLoS ONE</i> , 2017, 12, e0169640.	2.5	13
24	Enterohemorrhagic <i>Escherichia coli</i> Hybrid Pathotype O80:H2 as a New Therapeutic Challenge. <i>Emerging Infectious Diseases</i> , 2016, 22, 1604-1612.	4.3	75
25	Revisiting the STEC Testing Approach: Using espK and espV to Make Enterohemorrhagic <i>Escherichia coli</i> (EHEC) Detection More Reliable in Beef. <i>Frontiers in Microbiology</i> , 2016, 7, 1.	3.5	1,478
26	Genetic Analysis and Detection of fliCH1 and fliCH12 Genes Coding for Serologically Closely Related Flagellar Antigens in Human and Animal Pathogenic <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 135.	3.5	6
27	Development of a High Resolution Virulence Allelic Profiling (HReVAP) Approach Based on the Accessory Genome of <i>Escherichia coli</i> to Characterize Shiga-Toxin Producing <i>E. coli</i> (STEC). <i>Frontiers in Microbiology</i> , 2016, 7, 202.	3.5	2
28	Characterization of Shiga Toxin Subtypes and Virulence Genes in Porcine Shiga Toxin-Producing <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 574.	3.5	62
29	New Insights into the Genetic Diversity of <i>Clostridium botulinum</i> Group III through Extensive Genome Exploration. <i>Frontiers in Microbiology</i> , 2016, 7, 757.	3.5	18
30	Quantification of Hepatitis E Virus in Naturally-Contaminated Pig Liver Products. <i>Frontiers in Microbiology</i> , 2016, 07, 1183.	3.5	28
31	Variable tellurite resistance profiles of clinically-relevant Shiga toxin-producing <i>Escherichia coli</i> (STEC) influence their recovery from foodstuffs. <i>Food Microbiology</i> , 2016, 59, 32-42.	4.2	21
32	Detection, differentiation, and identification of botulinum neurotoxin serotypes C, CD, D, and DC by highly specific immunoassays and mass spectrometry. <i>Analyst</i> , The, 2016, 141, 5281-5297.	3.5	20
33	Targeted Amplicon Sequencing for Single-Nucleotide-Polymorphism Genotyping of Attaching and Effacing <i>Escherichia coli</i> O26:H11 Cattle Strains via a High-Throughput Library Preparation Technique. <i>Applied and Environmental Microbiology</i> , 2016, 82, 640-649.	3.1	26
34	Livers provide a reliable matrix for real-time PCR confirmation of avian botulism. <i>Anaerobe</i> , 2016, 38, 7-13.	2.1	13
35	Improved traceability of Shiga-toxin-producing <i>Escherichia coli</i> using CRISPRs for detection and typing. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8163-8174.	5.3	13
36	A Novel High-Throughput Method for Molecular Detection of Human Pathogenic Viruses Using a Nanofluidic Real-Time PCR System. <i>PLoS ONE</i> , 2016, 11, e0147832.	2.5	28

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37	Draft Genome Sequences of 17 French Clostridium botulinum Group III Strains. Genome Announcements, 2015, 3, .	0.8	5
38	Genetic Diversity of the flhC Genes Encoding the Flagellar Antigen H19 of Escherichia coli and Application to the Specific Identification of Enterohemorrhagic E. coli O121:H19. Applied and Environmental Microbiology, 2015, 81, 4224-4230.	3.1	9
39	Sequence Variations in the Flagellar Antigen Genes flhCH25 and flhCH28 of Escherichia coli and Their Use in Identification and Characterization of Enterohemorrhagic E. coli (EHEC) O145:H25 and O145:H28. PLoS ONE, 2015, 10, e0126749.	2.5	16
40	Draft Genome Sequences of Human-Pathogenic Escherichia coli O26:H11 Strains Carrying the stx 2 Gene Only and Circulating in France. Genome Announcements, 2015, 3, .	0.8	7
41	Molecular Profiling of Escherichia coli O157:H7 and Non-O157 Strains Isolated from Humans and Cattle in Alberta, Canada. Journal of Clinical Microbiology, 2015, 53, 986-990.	3.9	23
42	A comparative study of digital RT-PCR and RT-qPCR for quantification of Hepatitis A virus and Norovirus in lettuce and water samples. International Journal of Food Microbiology, 2015, 201, 17-26.	4.7	87
43	Molecular Gene Profiling of Clostridium botulinum Group III and Its Detection in Naturally Contaminated Samples Originating from Various European Countries. Applied and Environmental Microbiology, 2015, 81, 2495-2505.	3.1	15
44	Genetic Diversity and Pathogenic Potential of Attaching and Effacing Escherichia coli O26:H11 Strains Recovered from Bovine Feces in the United States. Applied and Environmental Microbiology, 2015, 81, 3671-3678.	3.1	18
45	Characteristics of Emerging Human-Pathogenic Escherichia coli O26:H11 Strains Isolated in France between 2010 and 2013 and Carrying the <i>stx2d</i> Gene Only. Journal of Clinical Microbiology, 2015, 53, 486-492.	3.9	50
46	The utility of multiple molecular methods including whole genome sequencing as tools to differentiate Escherichia coli O157:H7 outbreaks. Eurosurveillance, 2015, 20, .	7.0	17
47	Emerging types of Shiga toxin-producing E. coli (STEC) O178 present in cattle, deer, and humans from Argentina and Germany. Frontiers in Cellular and Infection Microbiology, 2014, 4, 78.	3.9	35
48	Genetic Diversity and Virulence Potential of Shiga Toxin-Producing Escherichia coli O113:H21 Strains Isolated from Clinical, Environmental, and Food Sources. Applied and Environmental Microbiology, 2014, 80, 4757-4763.	3.1	51
49	Diverse Virulence Gene Content of Shiga Toxin-Producing Escherichia coli from Finishing Swine. Applied and Environmental Microbiology, 2014, 80, 6395-6402.	3.1	43
50	High-throughput screening of tick-borne pathogens in Europe. Frontiers in Cellular and Infection Microbiology, 2014, 4, 103.	3.9	209
51	Detection of Shiga Toxin-Producing Escherichia coli from Nonhuman Sources and Strain Typing. Microbiology Spectrum, 2014, 2, .	3.0	37
52	Genotypes and virulence characteristics of Shiga toxin-producing Escherichia coli O104 strains from different origins and sources. International Journal of Medical Microbiology, 2013, 303, 410-421.	3.6	27
53	Molecular and Phenotypic Characterization of Escherichia coli O26:H8 among Diarrheagenic E. coli O26 Strains Isolated in Brazil. Applied and Environmental Microbiology, 2013, 79, 6847-6854.	3.1	14
54	Multiplex Real-Time PCR for Detecting and Typing Clostridium botulinum Group III Organisms and Their Mosaic Variants. Biosecurity and Bioterrorism, 2013, 11, S207-S214.	1.2	15

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55	Animal Botulism Outcomes in the AniBioThreat Project. <i>Biosecurity and Bioterrorism</i> , 2013, 11, S177-S182.	1.2	5
56	Validation of a real-time PCR based method for detection of <i>Clostridium botulinum</i> types C, D and their mosaic variants C-D and D-C in a multicenter collaborative trial. <i>Anaerobe</i> , 2013, 22, 31-37.	2.1	6
57	Discrimination of Enterohemorrhagic <i>Escherichia coli</i> (EHEC) from Non-EHEC Strains Based on Detection of Various Combinations of Type III Effector Genes. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3257-3262.	3.9	66
58	Management of Animal Botulism Outbreaks: From Clinical Suspicion to Practical Countermeasures to Prevent or Minimize Outbreaks. <i>Biosecurity and Bioterrorism</i> , 2013, 11, S191-S199.	1.2	43
59	Genetic Diversity of the Flagellin Genes of <i>Clostridium botulinum</i> Groups I and II. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3926-3932.	3.1	18
60	Towards a Molecular Definition of Enterohemorrhagic <i>Escherichia coli</i> (EHEC): Detection of Genes Located on O Island 57 as Markers To Distinguish EHEC from Closely Related Enteropathogenic <i>E. coli</i> Strains. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1083-1088.	3.9	71
61	Neurotoxin Gene Profiling of <i>Clostridium botulinum</i> Types C and D Native to Different Countries within Europe. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3120-3127.	3.1	85
62	Use of Clustered Regularly Interspaced Short Palindromic Repeat Sequence Polymorphisms for Specific Detection of Enterohemorrhagic <i>Escherichia coli</i> Strains of Serotypes O26:H11, O45:H2, O103:H2, O111:H8, O121:H19, O145:H28, and O157:H7 by Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2012, 50, 4035-4040.	3.9	86
63	Specific Detection of Enteroaggregative Hemorrhagic <i>Escherichia coli</i> O104:H4 Strains by Use of the CRISPR Locus as a Target for a Diagnostic Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2012, 50, 3485-3492.	3.9	74
64	Collaborative validation of a rapid method for efficient virus concentration in bottled water. <i>International Journal of Food Microbiology</i> , 2011, 145, S158-S166.	4.7	39
65	Accidental and deliberate microbiological contamination in the feed and food chains – How biotraceability may improve the response to bioterrorism. <i>International Journal of Food Microbiology</i> , 2011, 145, S123-S128.	4.7	23
66	Towards an international standard for detection and typing botulinum neurotoxin-producing <i>Clostridia</i> types A, B, E and F in food, feed and environmental samples: A European ring trial study to evaluate a real-time PCR assay. <i>International Journal of Food Microbiology</i> , 2011, 145, S152-S157.	4.7	26
67	Virulence gene profiling of enterohemorrhagic (EHEC) and enteropathogenic (EPEC) <i>Escherichia coli</i> strains: a basis for molecular risk assessment of typical and atypical EPEC strains. <i>BMC Microbiology</i> , 2011, 11, 142.	3.3	111
68	A multiplex real-time PCR assay targeting virulence and resistance genes in <i>Salmonella entericaserotype Typhimurium</i> . <i>BMC Microbiology</i> , 2011, 11, 151.	3.3	26
69	Identification of Genetic Markers for Differentiation of Shiga Toxin-Producing, Enteropathogenic, and Avirulent Strains of <i>Escherichia coli</i> O26. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2275-2281.	3.1	65
70	Micro-array for the identification of Shiga toxin-producing <i>Escherichia coli</i> (STEC) seropathotypes associated with Hemorrhagic Colitis and Hemolytic Uremic Syndrome in humans. <i>International Journal of Food Microbiology</i> , 2010, 142, 318-329.	4.7	98
71	Low-Density Macroarray Targeting Non-Locus of Enterocyte Effacement Effectors ( <i>nle</i> Genes) and Major Virulence Factors of Shiga Toxin-Producing <i>Escherichia coli</i> (STEC): a New Approach for Molecular Risk Assessment of STEC Isolates. <i>Applied and Environmental Microbiology</i> , 2010, 76, 203-211.	3.1	75
72	Use of a robotic RNA purification protocol based on the NucliSens® easyMAG, for real-time RT-PCR detection of hepatitis A virus in bottled water. <i>Journal of Virological Methods</i> , 2009, 157, 80-83.	2.1	34

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73	Screening food raw materials for the presence of the world's most frequent clinical cases of Shiga toxin-encoding <i>Escherichia coli</i> O26, O103, O111, O145 and O157. <i>International Journal of Food Microbiology</i> , 2007, 113, 284-288.	4.7	89
74	Detection of Genetically Modified Corn (Bt176) in Spiked Cow Blood Samples by Polymerase Chain Reaction and Immunoassay Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 654-664.	1.5	6
75	Prevalence of <i>Clostridium botulinum</i> in food raw materials used in REPFEDs manufactured in France. <i>International Journal of Food Microbiology</i> , 2004, 91, 141-145.	4.7	41
76	Detection by 5'â€²-nuclease PCR of Shiga-toxin producing <i>Escherichia coli</i> O26, O55, O91, O103, O111, O113, O145 and O157:H7, associated with the world's most frequent clinical cases. <i>Molecular and Cellular Probes</i> , 2004, 18, 185-192.	2.1	245
77	Comparison of PCR-ELISA and LightCycler real-time PCR assays for detecting <i>Salmonella</i> spp. in milk and meat samples. <i>Molecular and Cellular Probes</i> , 2004, 18, 409-420.	2.1	104
78	Diagnostic Real-Time PCR for Detection of <i>Salmonella</i> in Food. <i>Applied and Environmental Microbiology</i> , 2004, 70, 7046-7052.	3.1	419
79	Interlaboratory diagnostic accuracy of a <i>Salmonella</i> specific PCR-based method. <i>International Journal of Food Microbiology</i> , 2003, 89, 241-249.	4.7	105
80	Evaluation of the performance of LNA and MGB probes in 5'â€²-nuclease PCR assays. <i>Molecular and Cellular Probes</i> , 2003, 17, 307-311.	2.1	62
81	Making Internal Amplification Control Mandatory for Diagnostic PCR. <i>Journal of Clinical Microbiology</i> , 2003, 41, 5835-5835.	3.9	194
82	Detection and genotyping by real-time PCR of the staphylococcal enterotoxin genes sea to sej. <i>Molecular and Cellular Probes</i> , 2003, 17, 139-147.	2.1	38
83	A strategy based on 5'â€² nuclease multiplex PCR to detect enterotoxin genes sea to sej of <i>Staphylococcus aureus</i> . <i>Molecular and Cellular Probes</i> , 2003, 17, 227-235.	2.1	31
84	Detection by PCR-Enzyme-Linked Immunosorbent Assay of <i>Clostridium botulinum</i> in Fish and Environmental Samples from a Coastal Area in Northern France. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5870-5876.	3.1	67
85	Screening for <i>Clostridium botulinum</i> Type A, B, and E in Cooked Chilled Foods Containing Vegetables and Raw Material Using Polymerase Chain Reaction and Molecular Probes. <i>Journal of Food Protection</i> , 2001, 64, 201-207.	1.7	31
86	Evaluation of a Polymerase Chain Reactionâ€Based Test for Detecting <i>Salmonella</i> spp. in Food Samples: <i>Probabilia Salmonella</i> spp.. <i>Journal of Food Protection</i> , 1999, 62, 1387-1393.	1.7	34
87	Investigation of animal botulism outbreaks by PCR and standard methods. <i>FEMS Immunology and Medical Microbiology</i> , 1996, 13, 279-285.	2.7	25
88	Detection of Shiga Toxin-Producing <i>Escherichia coli</i> from Nonhuman Sources and Strain Typing. , 0, , 261-295.		3